

FIG 1

REPLACEMENT SHEET  
SERIAL NO. 10/713,300

(E5500-B) Reelmaster 5500-D		
Today's Date: Tuesday, November 26, 2002		Current Meter: 1454 Hr
<b>Service Requirements:</b>		
Service Description	Next Maint Meter/Date	
<input checked="" type="checkbox"/> Adjust Valves	800	
<input checked="" type="checkbox"/> Change Engine Oil	50	
<input checked="" type="checkbox"/> Change Hydraulic Fluid	800	▲
<input checked="" type="checkbox"/> Change Rear Axle Lubricant (4WD)	800	
<input checked="" type="checkbox"/> Check Battery Cable Connections	50	
<input checked="" type="checkbox"/> Check Battery Electrolyte Level	50	
<input checked="" type="checkbox"/> Check Engine RPM (Idle & Full Th)	400	▼
<input checked="" type="checkbox"/> Check Fan and Alternator Belt Ten	100	
<input checked="" type="checkbox"/> Check Rear Wheel Tires	800	
<div> <div>Create WO</div> <div>Snooze</div> <div>Main</div> </div>		

Figure 2: Screen shot of a particular PM Alert for selected equipment E5500-B Reelmaster

REPLACEMENT SHEET  
SERIAL NO. 10/713,300

(E5500-B) Reelmaster 5500-D		WO# 1145	
Viewing Services		View Parts	View Labor
		Print	
<div>Service</div> <div> <input checked="" type="checkbox"/> Change Engine Oil  <input checked="" type="checkbox"/> Check Battery Cable Connections  <input checked="" type="checkbox"/> Check Battery Electrolyte Level  <input checked="" type="checkbox"/> Check Fan and Alternator Belt Tension  <input checked="" type="checkbox"/> Check Reel Bearing Preload  <input checked="" type="checkbox"/> Drain Moisture-Fuel Tank  <input checked="" type="checkbox"/> Drain Moisture-Hydraulic Tank  <input checked="" type="checkbox"/> Inspect Air Filter, Dust Cup and Baffle  <input checked="" type="checkbox"/> Inspect Cooler System Hoses </div> <div> <div>Close WO</div> <div>Add Scheduled Service</div> <div>Add Repair</div> <div>Main</div> </div>			

Figure 3: View In Progress: Details of Work Order number 1145 (Work Order Detail)

(E5500-B) Reelmaster 5500-D		WO# 1145																																																			
V(E5500-B) Reelmaster 5500-D		t																																																			
Enter repair description:																																																					
REPAIR DAMAGED TIRE																																																					
<table border="1"> <tr> <td colspan="4">CLEAR</td> <td colspan="4">BACKSPACE</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td><td>I</td><td>J</td> <td>4</td><td>5</td><td>6</td> </tr> <tr> <td>K</td><td>L</td><td>M</td><td>N</td><td>O</td><td>P</td><td>Q</td><td>R</td><td>S</td><td>T</td> <td>7</td><td>8</td><td>9</td> </tr> <tr> <td>U</td><td>V</td><td>W</td><td colspan="4">SPACE</td><td>X</td><td>Y</td><td>Z</td> <td>-</td><td>0</td><td>.</td> </tr> </table>				CLEAR				BACKSPACE				1	2	3	A	B	C	D	E	F	G	H	I	J	4	5	6	K	L	M	N	O	P	Q	R	S	T	7	8	9	U	V	W	SPACE				X	Y	Z	-	0	.
CLEAR				BACKSPACE				1	2	3																																											
A	B	C	D	E	F	G	H	I	J	4	5	6																																									
K	L	M	N	O	P	Q	R	S	T	7	8	9																																									
U	V	W	SPACE				X	Y	Z	-	0	.																																									
<div>OK</div> <div>Cancel</div>																																																					

Figure 4: View In Progress: View Services: Add Repair

REPLACEMENT SHEET  
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(E5500-B) Reelmaster 5500-D		WO# 1145	
View Services		Viewing Parts	
Inventory Part	Quantity	Type	
<input checked="" type="checkbox"/> ( ) (86-6110) FILTER - ELEMENT	1	PM	
Cost of misc. parts used: PM \$0.00 Repair			
Close WO		Add Part	
		Main	

Figure 5: View In Progress: View Parts

(E5500-B) Reelmaster 5500-D		WO# 1145	
View Services		Viewing Labor	
Employee	Adding Labor:		
<input checked="" type="checkbox"/> Kenned			
Employee:	Schlatre, Larry		
Rate:	Regular		
Minutes:	15		
Done		Cancel	
Close WO		Add Labor	
		Main	

Figure 6: View In Progress: View Labor: Add Labor

REPLACEMENT SHEET  
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**GCS Req Maint - Choose Equip**  
Eq. requiring maint as of: 5/9/02  
**((C01)) Club Car FE350 Gas Vehicle**  
**((C02)) Club Car FE350 Gas Vehicle**  
(TR01) Greensmaster 3250 D

**FIGURE 7** pick list of maintenance equipment

**FIGURE 8 Required Maintenance: View Service**

**GCS Req Maint - Maint Items**

((C01) Club Car FE350 Gas Vehicle

**Change engine oil and filter**

Check battery electrolyte level

Check Brake Cables for Damage

Check Brake Shoes

Check Electrical Connections

Check Engine Gaskets for Leaks

Check Hoses & Tighten Engine Clamps

Check Transaxle Oil Level

Check/Adjust Front Wheel Alignment

Create Work Order      Back

**Figure 9 Equipment Work Orders: All Open (Fleet)**

**GCS Equip Work Order**

Select equip. to view Open WO's for:

(CC01) Club Car FE350 Gas Vehicle  
 (CC02) Club Car FE350 Gas Vehicle  
 (TR01) Greensmaster 3250 D

**Figure 10- Inventory: Main**

**GCS Inventory - Scan Item**

Waiting for next item scan....

Create New Item      GCS Main

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Figure 11 - Inventory: Create Item

GCS Inventory - Create New	
Stock #:	.....
Desc:	.....
Barcode:	.....
Grp/Sub:	▼ Parts/Other Parts
SKU:	▼ EA
Qty on hand:	.....1
<input checked="" type="checkbox"/> Print Barcode	
Create	Back

Figure 12 - Inventory: Details (Scan Item)

GCS Inventory - Item Details	
<11223> SEAL	
Location: A1-01	
Grp/Sub: Parts/Bearings/Seals	
Vendor: Napa	
Vnd Pt#: 11223-NAPA	
Qty on hand:	17 EA
New Qty on hand:	.....17
Update Qty	Print Barcode
Back	

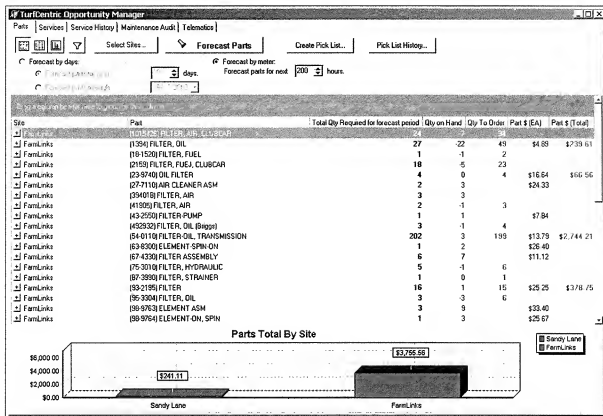


Figure 13: Parts Forecast Results, Grid and Graph

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Pick List #12

### Sandy Lane

Ship	Part	\$ EA	Needed	Ship Qty
<input checked="" type="checkbox"/>	(94-2621) FILTER-ELEMENT	\$59.80	1	1
<input checked="" type="checkbox"/>	(98-9764) ELEMENT-ON, SPIN	\$25.67	1	1
<input checked="" type="checkbox"/>	(99-8358) KIT-ELEMENT, W/O-RING	\$9.93	1	1
<input checked="" type="checkbox"/>	(99-8384) FILTER-OIL	\$15.89	5	5
<input checked="" type="checkbox"/>	(MOBILDT15M) Hydraulic Oil, MobilTE15M	\$4.99	13	13
<input checked="" type="checkbox"/>	(SAE30SH,SJ) Engine Oil, SAE 30SH,SJ	\$1.39	1	1
<input type="checkbox"/>	(93-2195) FILTER	\$25.25	0	0
<input type="checkbox"/>	(93-9162) FILTER-PRIMARY	\$51.98	0	0
<input type="checkbox"/>	(93-9163) FILTER-SECONDARY	\$36.45	0	0
<input type="checkbox"/>	(SAE10W/30CF,CF4) Engine Oil, SAE 10W/30CF,CF4	\$0.99	0	0
<input type="checkbox"/>	(SAE80W/90) Gear Oil, SAE 80W/90	\$1.39	0	0

Select All    Unselect All    Invert Selection

Pick List Notes

☒ Update Client Parts Inventory    ☐ Cancel

Figure 14: Create Pick List Detail

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Pick List History				
Pick List #	Date	Course	Notes	Applied
11	7/3/2003	Sandy Lane		N
10	7/3/2003	Sandy Lane		N
9	7/3/2003	Sandy Lane		Y
8	7/3/2003	Sandy Lane		N
7	7/3/2003	Sandy Lane		Y
6	7/3/2003	Sandy Lane		N
Parts				Ship Qty
(93-2195) FILTER				2
(94-2621) FILTER ELEMENT				10
(98-9764) ELEMENT-ON, SPIN				1
(99-8358) KIT-ELEMENT, W/O-RING				1
(99-8384) FILTER-OIL				5
(MOBILDE15M) Hydraulic Oil, MobilDE15M				13
(SAE 30SH.SJ) Engine Oil, SAE 30SH.SJ				1
Notes				
Pick List #	Date	Course	Notes	Applied
5	7/3/2003	Sandy Lane		N
4	7/3/2003	Sandy Lane		N

Figure 15: Pick List History Detail

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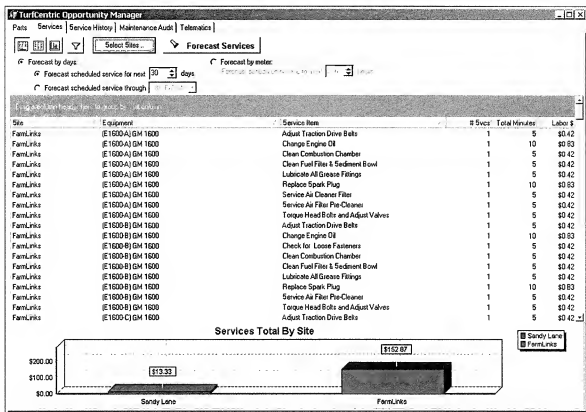


Figure 16: Services Forecast Results, Grid and Graph

REPLACEMENT SHEET  
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TurboCentric Opportunity Manager

Parts | Services | Service History | Maintenance Audit | Telematics

Select Site...

Get Service History

Relative history for past 30 days

Relative history between 6/ 7/2003 and 7/ 7/2003

Relative history since 6/ 7/2003

Relative ALL history

Equipment Item

Site	W/O #	W/O Date	Task #	Task Type	Equipment Item	Labor Hrs	Labor \$	Non-Invt Parts \$	Invt Parts \$
FamLinks	1003	7/23/2002	1	PM	(EWDOR2100A) Workman 2100	1	\$16.83	\$0.00	\$0.00
FamLinks	1005	7/23/2002	1	PM	(E3100D-A) RM 31000	2	\$33.66	\$0.00	\$0.00
FamLinks	1006	10/16/2002	1	PM	(ECLUB-C) Club Car Carryall 2	0	\$0.00	\$0.00	\$0.00
FamLinks	1007	10/16/2002	1	PM	(ECLUB-C) Club Car Carryall 2	0	\$0.00	\$0.00	\$0.00
FamLinks	1009	10/16/2002	1	PM	(E3100D-A) RM 31000	0	\$0.00	\$0.00	\$0.00
FamLinks	1010	10/17/2002	1	PM	(ECLUB-B) Club Car Carryall 2	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1011	10/17/2002	1	PM	(ECLUB-C) Club Car Carryall 2	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1012	10/17/2002	1	PM	(ECLUB-B) Club Car Carryall 2	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1013	10/17/2002	1	PM	(ECLUB-H) Club Car Carryall 2	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1014	10/17/2002	1	PM	(ECLUB-B) Club Car Carryall 2	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1015	10/17/2002	1	PM	(ECLUB-B) Club Car Carryall 2	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1016	10/18/2002	1	PM	(EWDOR5600A) MultiPro 5600 Spray R	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1017	10/17/2002	1	PM	(EWDOR3200A) Workman 3200	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1018	10/18/2002	1	PM	(EWDOR3200A) Workman 3200	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1019	10/18/2002	1	PM	(EWDOR3200A) Workman 3200	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1020	10/18/2002	1	PM	(ECLUB-F) Club Car Carryall 2	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1021	10/21/2002	1	PM	(E3250-A) BM 3250 4-Wheel Dr	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1022	10/21/2002	1	PM	(ECLUB-B) Club Car Carryall 2	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1023	10/22/2002	1	PM	(E4800A) Kubota M4800 Tractor	1	\$16.83	\$0.00	\$0.00
FamLinks	1024	10/23/2002	1	PM	(E-Walker-A) Walker Mower	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1025	10/23/2002	1	PM	(ECLUB-A) Club Car Carryall 2	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1026	10/23/2002	1	PM	(EWDOR2100A) Workman 2100	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1027	10/24/2002	1	PM	(E3100D-A) RM 31000	0.75	\$12.62	\$0.00	\$0.00
FamLinks	1028	10/28/2002	1	PM	(EWDOR4200-B) Workman 4200	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1029	10/28/2002	1	PM	(EWDOR3200A) Workman 3200	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1030	10/31/2002	1	PM	(EWDOR4200-SP) MultiPro 4200 Spray R	0.5	\$8.41	\$0.00	\$0.00
FamLinks	1031	11/4/2002	1	PM	(E1800-A) BM 1800	0.5	\$8.41	\$0.00	\$0.00

Figure 17: Services Grid

REPLACEMENT SHEET  
SERIAL NO. 10/713,300

**TurfCentric Opportunity Manager**

Parts | Services | Service History | Maintenance Audit | Telematics

Run Audit

Audit for the past: [180] days    C Audit between [7/ 7/2002] and [7/ 7/2003]    C Audit ALL history  
C Audit since [7/ 7/2002]

Model #	Model # Description	Rollup Size	AEP \$	AEL Time (hrs)	AAP \$	AAL Time (hrs)
CJ 03201	Reelmaster 3100D Sideswinder 52 [Tractor Hyd Fluid]	1	56.71 (Need SRTs)	1423.7	2	
CJ 03201	Reelmaster 3100D Sideswinder 53 [Tractor Hyd Fluid]	1	55.71 (Need SRTs)	1423.7	1	
CJ 03201	Reelmaster 3100 w/ Sideswinder	2	9.945 (Need SRTs)	1423.7	1	
CJ 03201	Reelmaster 3100 Side Swinder 51 [ Tractor Hyd Fluid]	1	154.64 (Need SRTs)	1423.7	2	
CJ 03201	RM 3100D	1	(Need SRTs)	1423.7		
CJ 03201	RM 3100D w/ Sideswinder	4	28.9 (Need SRTs)	1423.7	1	8666666666
CJ 0426	Reelmaster 2600D [F2]	1	13.89 (Need SRTs)	469.93	4	
CJ 0426	Reelmaster 3100D #1 [Sideswinder]	1	13.69 (Need SRTs)	469.93		1.5
CJ 0426	Reelmaster 3100D #2 [Sideswinder]	1	13.69 (Need SRTs)	469.93		1
CJ 0426	Reelmaster 3100D #3 [Sideswinder]	1	64.84 (Need SRTs)	469.93		3.5
CJ 0427	Reelmaster 2600D [F1]	1	12.69 (Need SRTs)	469.93		2
CJ 0950	RM 5500D 4 whl Dr	1	(Need SRTs)	1402.81		1.5
CJ 0951	RM 5500D 4 whl Dr	2	(Need SRTs)	1402.81		0.5
CJ 0706	Reelmaster 4000D [F3]	1	31.96 (Need SRTs)	1102.77		1
CJ 0707	Reelmaster 4000D	1	47.94 (Need SRTs)	1102.77		3.5
CJ 0803	Reelmaster 6500D #1	1	14.57 (Need SRTs)	1056.61		1.5
CJ 0803	Reelmaster 6500D #2	1	14.57 (Need SRTs)	1056.61		0.5
CJ 0803	Reelmaster 6500D [F6]	1	29.14 (Need SRTs)	1056.61		
CJ 0803	Reelmaster 6500D [F7]	1	29.14 (Need SRTs)	1056.61		3
CJ 0803	Reelmaster 6500D [F4]	1	29.14 (Need SRTs)	1056.61		
CJ 0803	Reelmaster 5500D [F5] (+700 Ht)	1	29.14 (Need SRTs)	1056.61		
CJ 0805	Reelmaster 6700 D #1	1	29.14 (Need SRTs)	1056.61		3.3
CJ 0805	Reelmaster 5700D #2	1	29.14 (Need SRTs)	1056.61		2.3
CJ 0807	Reelmaster 5500D	4	140.8025 (Need SRTs)	475.93		2
CJ 0421	GM Flex 21	7	(Need SRTs)	172	4	47142857142
CJ 0408	Greenmaster 600	12	2.25 (Need SRTs)	172	0	57142857142
CJ 0408	Greenmaster 600 (C28)	1	7 (Need SRTs)	172	1	

**Figure 18: Maintenance Audit Grid**

REPLACEMENT SHEET  
SERIAL NO. 10/713,300

**TurfCentric Opportunity Manager**

Parts | Services | Service History | Maintenance Audit | Telematics

Select Sites... Run Audit

☒ Audit for the past 180 days.
 ☐ Audit between 7/ 7/2002 and 7/ 7/2003
 ☐ Audit since 7/ 7/2002
 ☐ Audit ALL history

Model #	Model # Description	Rollup Size	AEP \$\$	AEL Time (hrs)	AAP \$\$	AAL Time (hrs)
03201	Reelmaster 3100D Sidewinder S2 (Tractor Hyd Fluid)	1	36.71 (Need SRTs)	1423.7		
03201	Reelmaster 3100D Sidewinder S3 (Tractor Hyd Fluid)	1	95.71 (Need SRTs)	1423.7		
03201	Reelmaster 3100D w/ Sidewinder	2	9.945 (Need SRTs)	1423.7		
Service		AE Cycles	AA Cycles			
<input checked="" type="checkbox"/>	Adjust Engine Valves	0	0			
<input checked="" type="checkbox"/>	Change Engine Oil	3.3	0.8			
<input checked="" type="checkbox"/>	Change Engine Oil and Filter	1.5	0.3			
<input checked="" type="checkbox"/>	Check Air Filter, Dust Cup, and Bump Valve	162	0			
<input checked="" type="checkbox"/>	Check Battery Cable Connections	3.3	0.8			
<input checked="" type="checkbox"/>	Check Battery Electrolyte Level	3.3	0.8			
<input checked="" type="checkbox"/>	Check Brake Operation	162	0			
<input checked="" type="checkbox"/>	Check Cooling System Fluid Level	162	0.1			
<input checked="" type="checkbox"/>	Check Engine Oil Level	162	0			
<input checked="" type="checkbox"/>	Check Engine RPM (Idle & Full Throttle)	0.1	0.1			
<input checked="" type="checkbox"/>	Check Fan and Alternator Belt Tensions	3.3	0.8			
<input checked="" type="checkbox"/>	Check for Fluid Leaks	162	0.1			
<input checked="" type="checkbox"/>	Check Fuel Level	162	0.1			
<input checked="" type="checkbox"/>	Check Height-of-Cut Adjustment	162	0			
<input checked="" type="checkbox"/>	Check Hydraulic Hoses for Damage	162	0.1			
<input checked="" type="checkbox"/>	Check Hydraulic System Oil Level	162	0.1			
<input checked="" type="checkbox"/>	Check Instrument Operation	162	0.1			
<input checked="" type="checkbox"/>	Check Radiator & Screen for Debris	162	0.1			
<input checked="" type="checkbox"/>	Check Reel-to-Backknife Adjustment	162	0			
<input checked="" type="checkbox"/>	Check Safety Interlock Operation	162	0			
<input checked="" type="checkbox"/>	Check Tire Pressure	162	0.1			
<input checked="" type="checkbox"/>	Check Unusual Engine Noises	162	0			
<input checked="" type="checkbox"/>	Check Unusual Operating Noises	162	0			

Figure 19: Maintenance Audit, Service Detail

REPLACEMENT SHEET  
SERIAL NO. 10/713,300

**TurfCentric Opportunity Manager**

Parts | Services | Service History | Maintenance Audit | Telematics

Select Sites... Run Audit

Audit for the past 180 days Audit between 7/ 7/2002 and 7/ 7/2003  
 Audit since 7/ 7/2002 Audit ALL history

Model #	Model # Description	Rollup Size	AEF \$\$	AEL Time (hrs)	AAP \$\$	AAL Time (hrs)
03201	Reelmaster 31000 S/S w/ Sidewinder 52 (Tractor Hyd Fluid)	1	95.71 (Need SRTs)	1423.7		1
03201	Reelmaster 31000 Sidewinder 53 (Tractor Hyd Fluid)	1	95.71 (Need SRTs)	1423.7		1
03201	Reelmaster 31000 w/ Sidewinder	2	9 945 (Need SRTs)	1423.7		
Service		AE Cycles	AA Cycles			
- Adjust Engine Valves			0		0	
- Change Engine Oil			3.3		0.8	
- Change Engine Oil and Filter			1.5		0.3	
Part(s)		AE Qty	AE Part \$	AA Qty	AA Part \$	
(99-8384) FILTER-OIL		1.5	\$23.84	0.3	\$4.77	
(SAE10w30CF,CF4) Engine Oil, SAE10w30CF,CF4		1.5	\$1.50	0.3	\$0.30	
Service		AE Cycles	AA Cycles			
- Check Air Filter, Dust Cup, and Bump Valve			162		0	
- Check Battery Cable Connections			3.3		0.8	
- Check Battery Electrolyte Level			3.3		0.8	
- Check Brake Operation			162		0	
- Check Cooling System Fluid Level			162		0.1	
- Check Engine Oil Level			162		0	
- Check Engine RPM (Idle & Full Throttle)			0.1		0.1	
- Check Fan and Alternator Belt Tensions			3.3		0.8	
- Check for Fluid Leaks			162		0.1	
- Check Fuel Level			162		0.1	
- Check Height-of-Cut Adjustment			162		0	
- Check Hydraulic Hoses for Damage			162		0.1	
- Check Hydraulic System Oil Level			162		0.1	
- Check Instrument Operation			162		0.1	
- Check Radiator & Screen for Debris			162		0.1	
- Check Reel-to-Bedknife Adjustment			162		0	

Figure 20: Maintenance Audit, Parts Detail

REPLACEMENT SHEET  
 SERIAL NO. 10/713,300

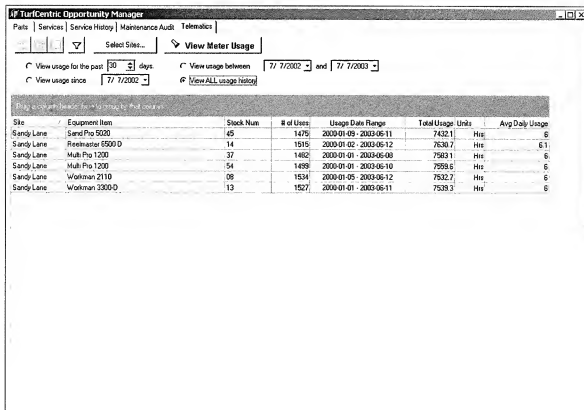


Figure 21: Telematics Results

REPLACEMENT SHEET  
SERIAL NO. 10/713,300



Fields		Minutes			
Course		Starting Range		<input checked="" type="checkbox"/> OK	
NumOccurrences		5	<input type="button" value="Clear"/>	<input checked="" type="checkbox"/> Cancel	
		Ending Range			
		5	<input type="button" value="Clear"/>		
All Searched		By Value By Range			
Field Order					
<input type="radio"/> Alphabetic	<input checked="" type="radio"/> Logical	<input type="button" value="View Summary"/>	<input type="button" value="New Search"/>		

**Figure 22: Filter Detail**

REPLACEMENT SHEET  
SERIAL NO. 10/713,300

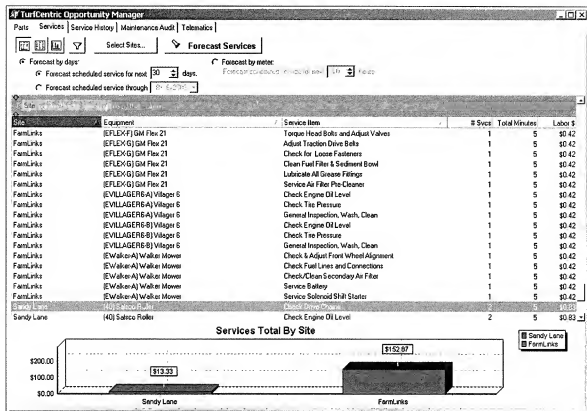


Figure 23. Grouping Results

REPLACEMENT SHEET  
SERIAL NO. 10/713,300